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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/755,470	01/05/2001	Steven Branigan		4994

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EXAMINER

TRAN, ELLEN C

ART UNIT PAPER NUMBER

2134

DATE MAILED: 02/28/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

ML

Office Action Summary	Application No. 09/755,470	Applicant(s) BRANIGAN ET AL.	
	Examiner Ellen C Tran	Art Unit 2134	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 01 September 2004.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-15 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-15 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. This action is responsive to communication: 1 September 20004 with original application filed on 05 January 2001.
2. Claims 1-15 are currently pending in this application. Claims 1, 7, and 10 are independent claims.

Response to Arguments

3. Applicant's arguments with respect to claims 1-15 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language

5. **Claims 1-15** are rejected under 35 U.S.C. 102(e) as being anticipated by Hagen U.S.

Patent Application Publication No. 2002/0075844 (hereinafter '844).

As to independent claim 1, "A wired network for providing secure, authenticated access to wireless network clients, comprising: a server connected to a wireless network access point, and having access to the wired network, the server being operative to perform authentication for a wireless clients client establishing a connection to the server through the wireless network access point" is taught in '844 pages 1-2, paragraphs 0011-0017;

“the server performing authentication by examining authentication information transmitted from the client to the server and determining whether or not the authentication information identifies the wireless network client as authorized to gain access to the wired network the server being operative to establish a connection session upon authentication of a client” is shown in ‘844 page 7, paragraph 0070;

“the server being also operative to provide the client with a wired network address valid for the connection session upon authentication of the client, the server being further operative to encrypt communications with the wireless network access point, the server being further operative to provide a cryptographic key valid for the connection session to the client upon authentication of the client; and a user database accessible to the server for use in validating wireless clients” is disclosed in ‘844 page 5, paragraph 0057.

As to dependent claim 2, “also including a network hub providing connections between the server and additional resources on the wired network” is taught in ‘844 pages 3-4, in paragraphs 0047 and 0051.

As to dependent 3, “also including a router providing connections between the server and additional resources on the wired network as well as a connection to an additional wired network” is shown in ‘844 page 5, paragraph 0056.

As to dependent 4, “wherein the server is operative to provide addresses to clients through dynamic host control protocol” is disclosed in ‘844 page 4, paragraph 0052.

As to dependent 5, “wherein the server is operative to communicate with a wireless network client using point to point tunneling protocol” is taught in ‘844 page 7, paragraph 0070.

As to dependent 6, “wherein the server employs 128-bit cryptoprocessing to communicate with the wireless network client” is shown in ‘844 page 18, paragraph 0163.

As to independent 7, “A wireless network for providing secure authenticated communication between clients of the wireless network and a wired network, comprising: a wireless network access point operative to establish a connection with a server operating as a portal between the wireless network and a wired network” is disclosed in ‘844 pages 1-2 paragraphs 0011-0017;

“the wireless network access point being operative to conduct communications with the server in order to authenticate wireless network clients as authorized to access the wired network, the wireless network access point being further operative to receive authentication information from one or more wireless network clients and transfer the authentication information to the server in order to allow the server to examine the authentication information for a wireless network client and determine if the information indicates that the wireless network client is authorized to access the wired network the wireless network access point being operative to receive a cryptoprocessing key from the server upon authentication of a client and to transfer the key to that client” is taught in ‘844 page 7, paragraph 0070;

“and a plurality of wireless network clients operative to establish connections with the wireless network access point, each client being operative to conduct encrypted communications with the server through the access point, to pass authentication information to the network access point in order to indicate to a server communicating with the wireless network and a wired network whether or not the wireless client is

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authorized to gain access to the wired network, each wireless network client being further operative to and receive address information and cryptoprocessing data from the network access point upon authentication by the server in order to allow communication with the wired network, each client being operative to conduct encrypted transfer of data to and from the wired network through the access point upon receiving the address and cryptoprocessing information” is shown in ‘844 page 5, paragraph 0057.

As to dependent 8, “wherein the access point communicates with the server using point to point tunneling protocol” is disclosed in ‘844 page 5, paragraph 0057.

As to dependent 9, “including a hub connecting the wireless network access point and a plurality of additional network access points, each additional network access point communicating with a plurality of additional wireless network clients, the wireless network access point and- the additional network access points being operative to establish connections with the server through the network hub” is shown in ‘844 pages 3-5, paragraphs 0047-0056.

As to independent 10, “A method of secure communication between wireless network clients and a wired network, comprising the steps of establishing a connection between a wireless network access point and a security base SB server connected to the wired network establishing a connection between the SB server and a wireless network client communicating with the SB server through the wireless network access point” is disclosed in ‘844 pages 1-2, paragraphs 0011-0017;

“exchanging encryption keys between the SB server and the wireless network client; transmitting authentication information from the wireless network client to the SB server

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through the wireless network access point; performing authentication for the wireless network client by examining the authentication information to determine if the wireless network client is authorized to gain access to the wired network” is taught in ‘844 page 7, paragraph 0070;

“if authentication fails, rejecting connection to the wired network” is shown in ‘844 page 6, paragraph 0065

“and if authentication passes, accepting connection to the wired network, providing a temporary wired network address and a unique session encryption key to the wireless network client and providing access to wired network resources in response to requests by the wireless network client” is disclosed in ‘844 page 4, paragraph 0052.

As to dependent 11, “wherein the step of rejecting connection to the wired network is accompanied by a step of logging the rejection and wherein the step of accepting the connection is accompanied by a step of logging the acceptance” is taught in ‘844 page 17, paragraph 0153.

As to dependent 12, “wherein the step of providing a temporary wired network address to the wireless network client includes using dynamic host control protocol to provide the address” is shown in ‘844 page 4, paragraph 0053.

As to dependent 13, “wherein communication between the wireless network client and the wired network server is performed using point to point tunneling protocol” is disclosed in ‘844 page 7, paragraph 0070

As to dependent 14, “wherein the step of performing authentication for the wireless network client includes transferring authentication information between the wireless

network client and the SB server and wherein the authentication information is encrypted using public key cryptography” is taught in ‘844 page 7, paragraph 0070.

As to dependent 15, **“wherein the step of providing a unique session encryption key includes encrypting the unique session encryption key using public key cryptography”** is shown in ‘844 page 7, paragraph 0070.

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a). A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.


6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ellen C Tran whose telephone number is (571) 272-3842. The examiner can normally be reached from 6:30 am to 3:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner’s supervisor, Gregory A Morse can be reached on (571) 272-3838. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Ellen Tran
Patent Examiner
Technology Center 2134
19 February 2005


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